

10/602,341

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NEWS	3	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	5	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	6	AUG 02	CAPLUS and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	7	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	8	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS	9	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	10	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	11	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	12	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	13	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	14	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS	15	SEP 27	STANDARDS will no longer be available on STN
NEWS	16	SEP 27	SWETSCAN will no longer be available on STN
NEWS EXPRESS		JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
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* * * * * STN Columbus * * * * *

10/602,341

FILE 'HOME' ENTERED AT 16:31:50 ON 27 SEP 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 26 SEP 2004 HIGHEST RN 752189-88-1

DICTIONARY FILE UPDATES: 26 SEP 2004 HIGHEST RN 752189-88-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

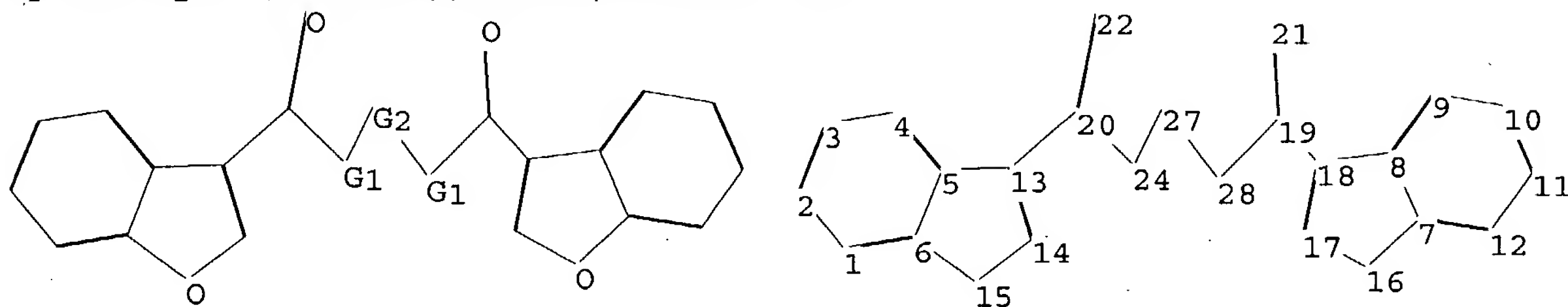
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\STNEXP4\QUERIES\106023411.str



chain nodes :

19 20 21 22 24 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

13-20 18-19 19-21 19-28 20-22 20-24 24-27 27-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-13 6-15 7-8 7-12 7-16 8-9 8-18 9-10 10-11
11-12 13-14 14-15 16-17 17-18

exact/norm bonds :

19-21 19-28 20-22 20-24 24-27 27-28

exact bonds :

5-13 6-15 7-16 8-18 13-14 13-20 14-15 16-17 17-18 18-19

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

isolated ring systems :

containing 1 : 7 :

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G1:O,N

G2:O,Cy,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 24:CLASS 27:CLASS 28:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 16:32:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6 TO 266
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

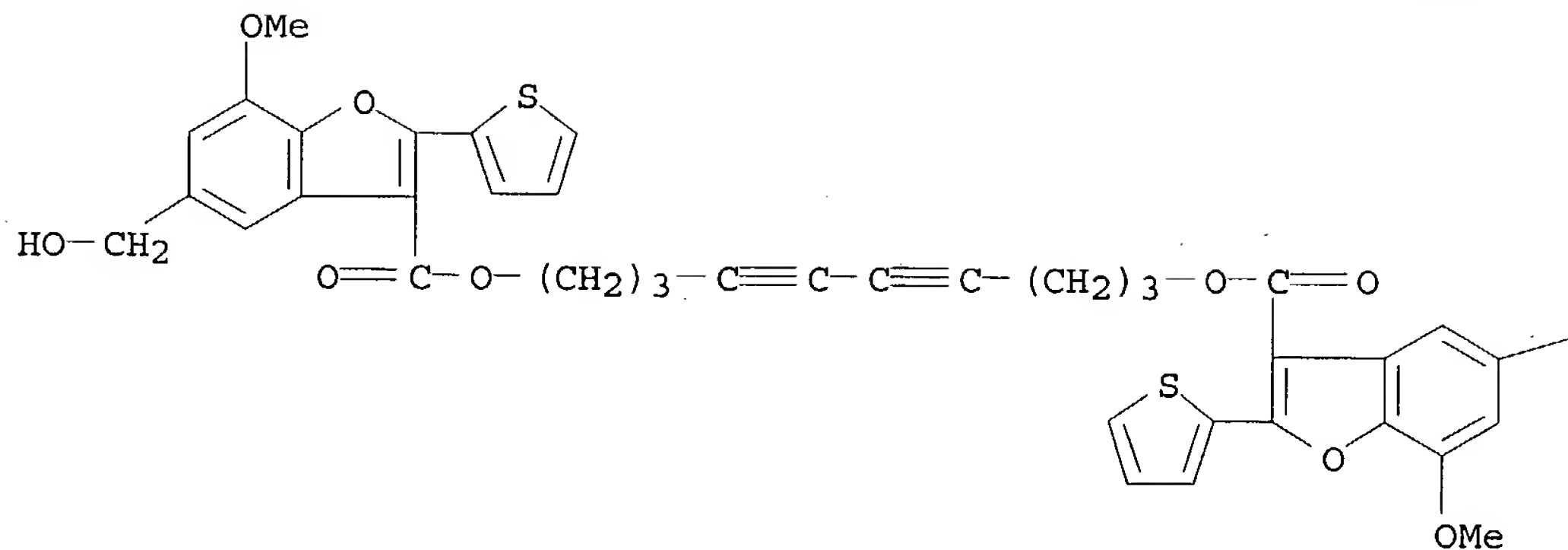
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FULL SCREEN SEARCH COMPLETED - 159 TO ITERATE

100.0% PROCESSED 159 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01

L3 18 SEA SSS FUL L1

=> d scan

L3 18 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(2-thienyl)-,
4,6-decadiyne-1,10-diyl ester (9CI)
MF C40 H34 O10 S2



—CH₂—OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):file caplus
'FILE CAPLUS' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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156.05

FILE 'CAPLUS' ENTERED AT 16:32:57 ON 27 SEP 2004

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10/602,341

FILE COVERS 1907 - 27 Sep 2004 VOL 141 ISS 14
FILE LAST UPDATED: 26 Sep 2004 (20040926/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3

L4 3 L3

=> d l4 ibib hitstr abs 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:2819 CAPLUS

DOCUMENT NUMBER: 140:77016

TITLE: Preparation of benzo(b)furan dimers

INVENTOR(S): Liao, Yun; Fathi, Reza; Yang, Zhen

PATENT ASSIGNEE(S): Vivoquest, Inc., USA

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000764	A2	20031231	WO 2003-US19981	20030623
WO 2004000764	A3	20040708		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004110949	A1	20040610	US 2003-602341	20030623
PRIORITY APPLN. INFO.:			US 2002-391100P	P 20020624

OTHER SOURCE(S): MARPAT 140:77016

IT 500117-66-8P 500117-67-9P 500117-68-0P

500117-69-1P 500117-70-4P 500117-71-5P

511523-00-5P 639819-28-6P 639819-29-7P

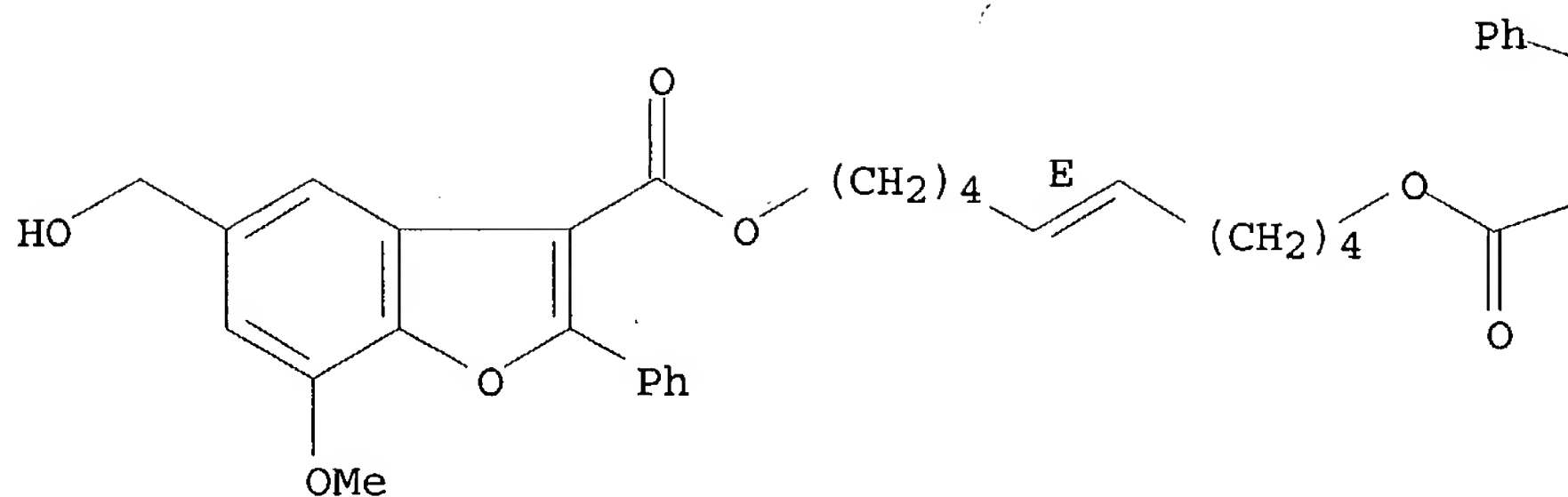
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of benzofuran dimers)

RN 500117-66-8 CAPLUS

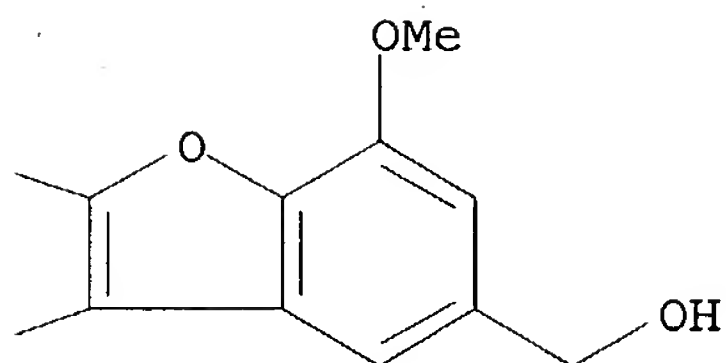
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-,
(5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A



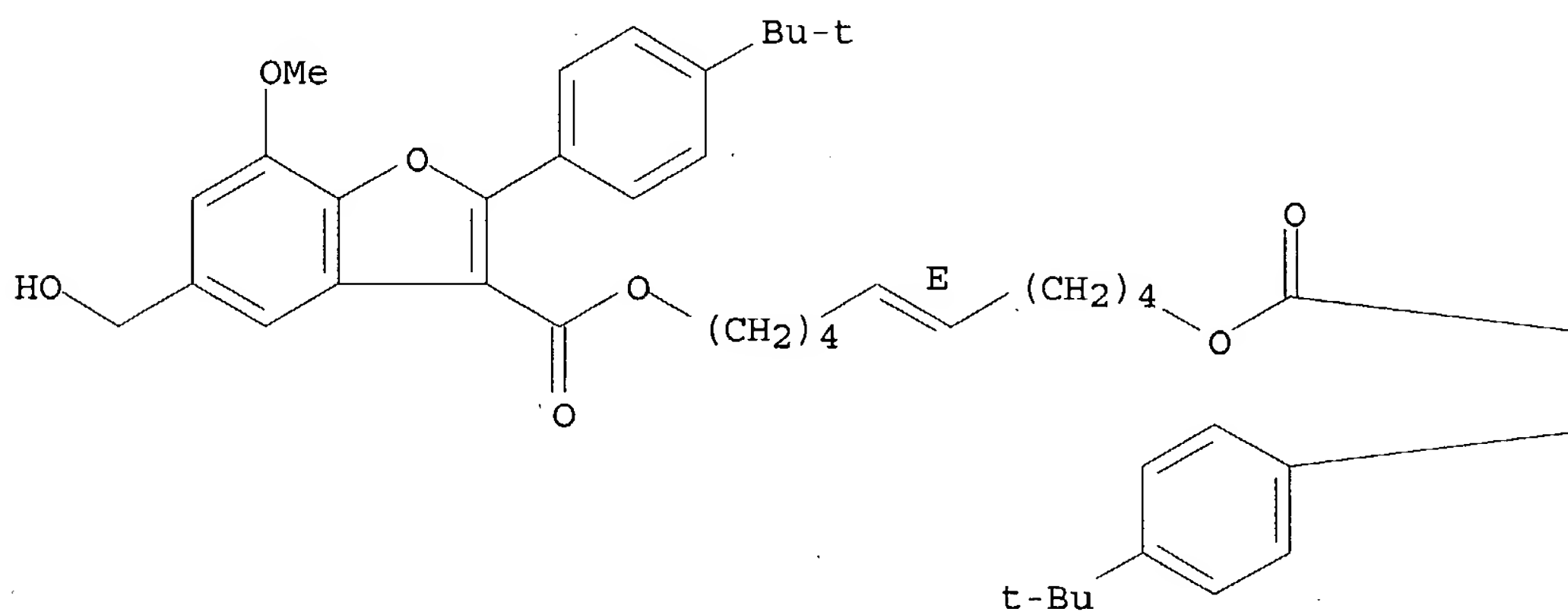
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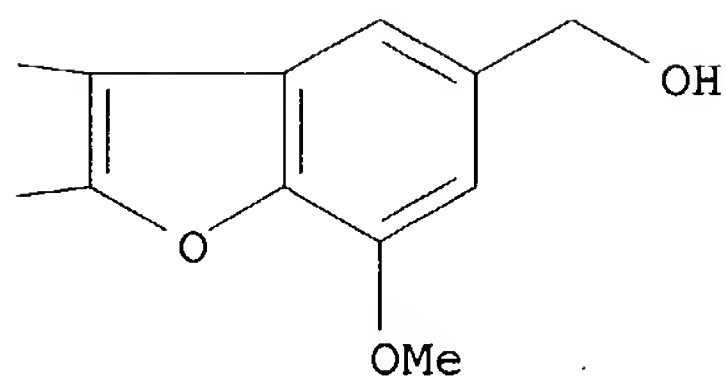


RN 500117-67-9 CAPLUS
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Double bond geometry as shown.

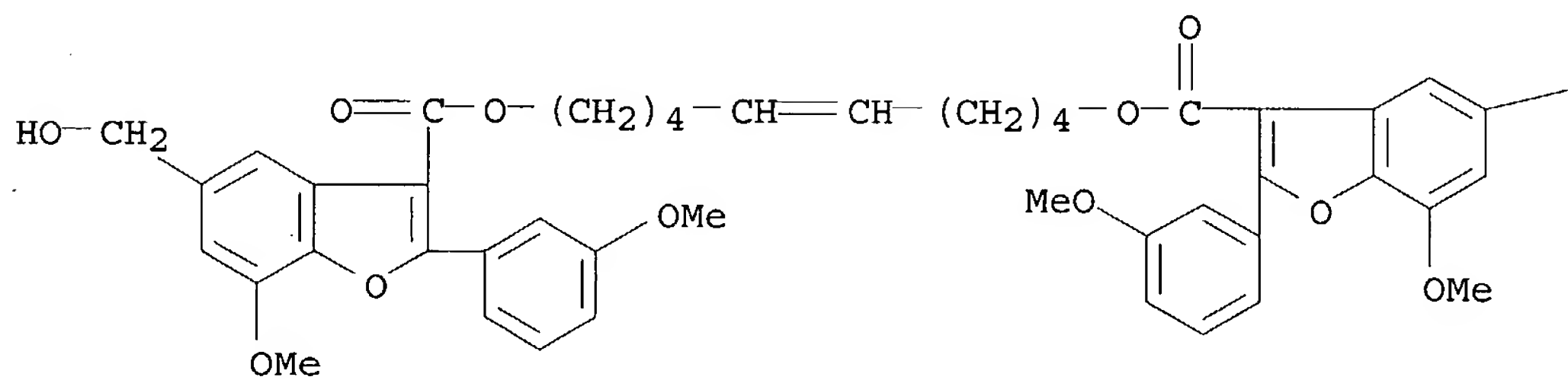
PAGE 1-A





RN 500117-68-0 CAPLUS

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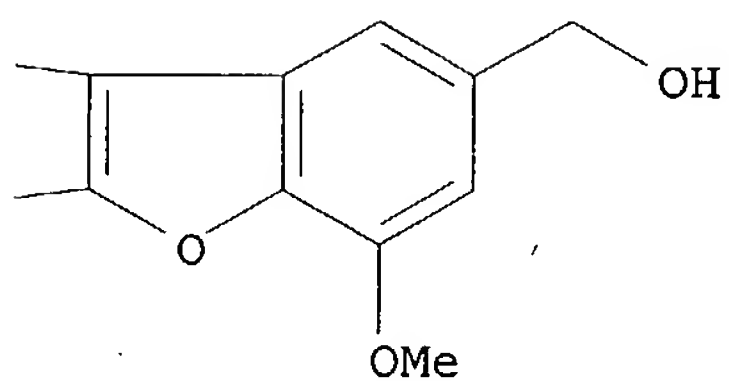
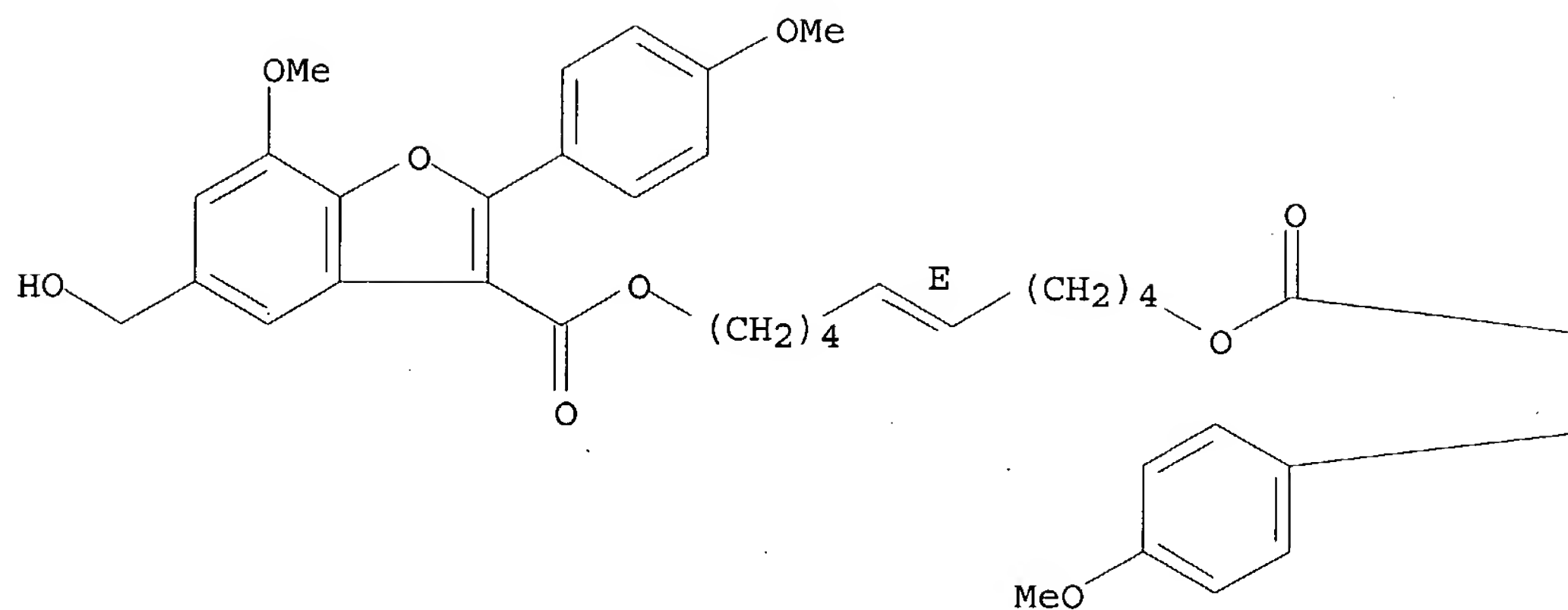


—CH₂—OH

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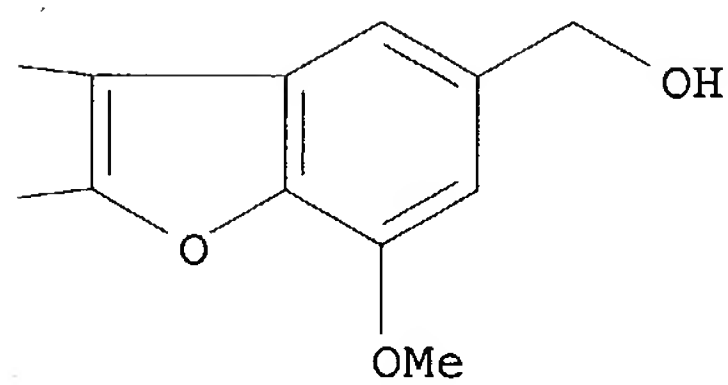
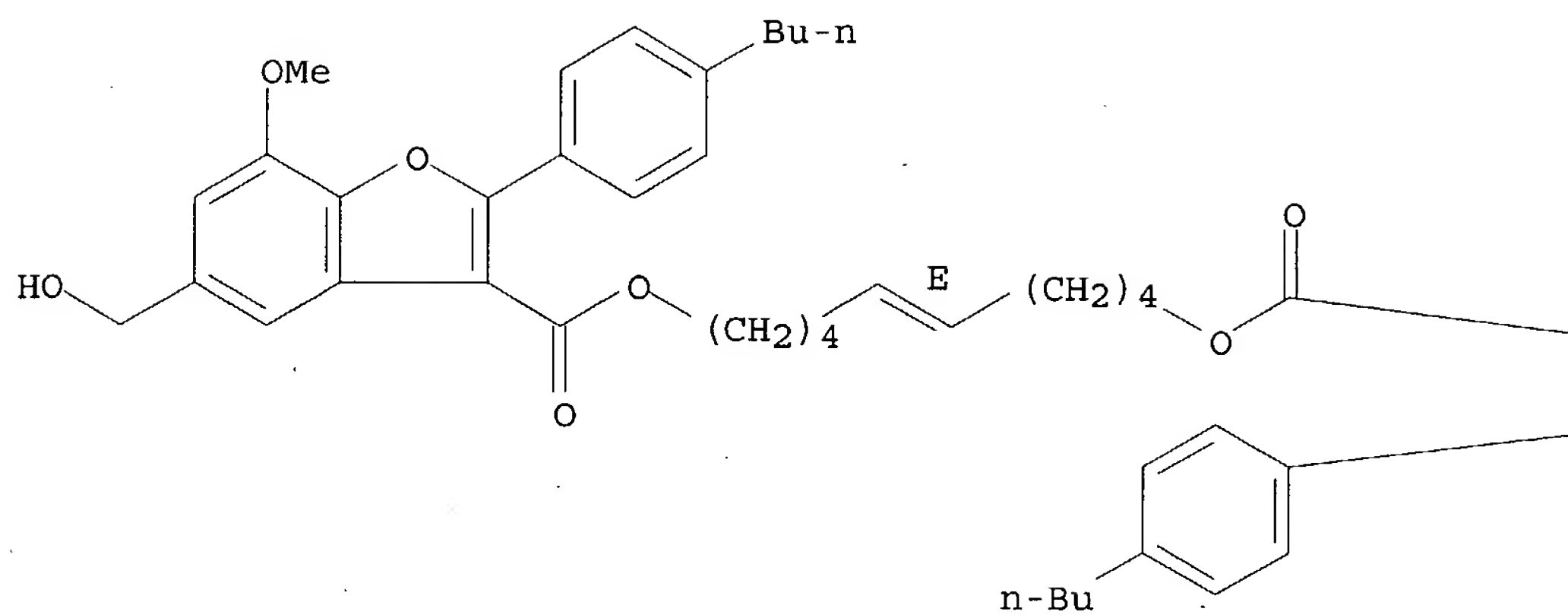
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methoxyphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 500117-70-4 CAPLUS
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 , (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

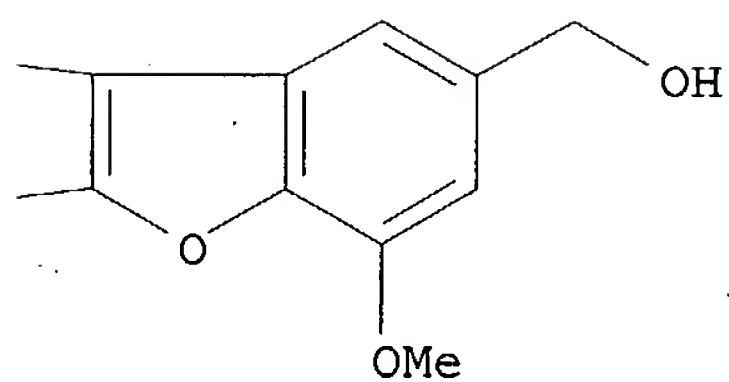
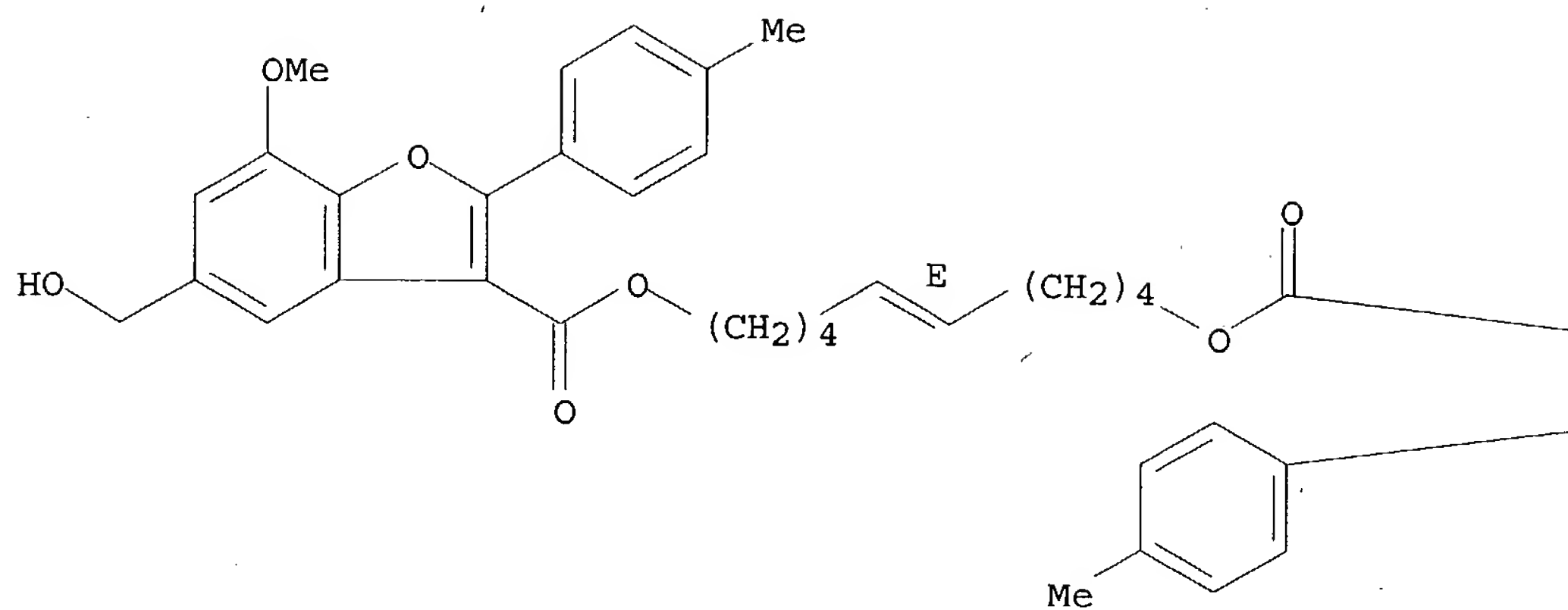
Double bond geometry as shown.



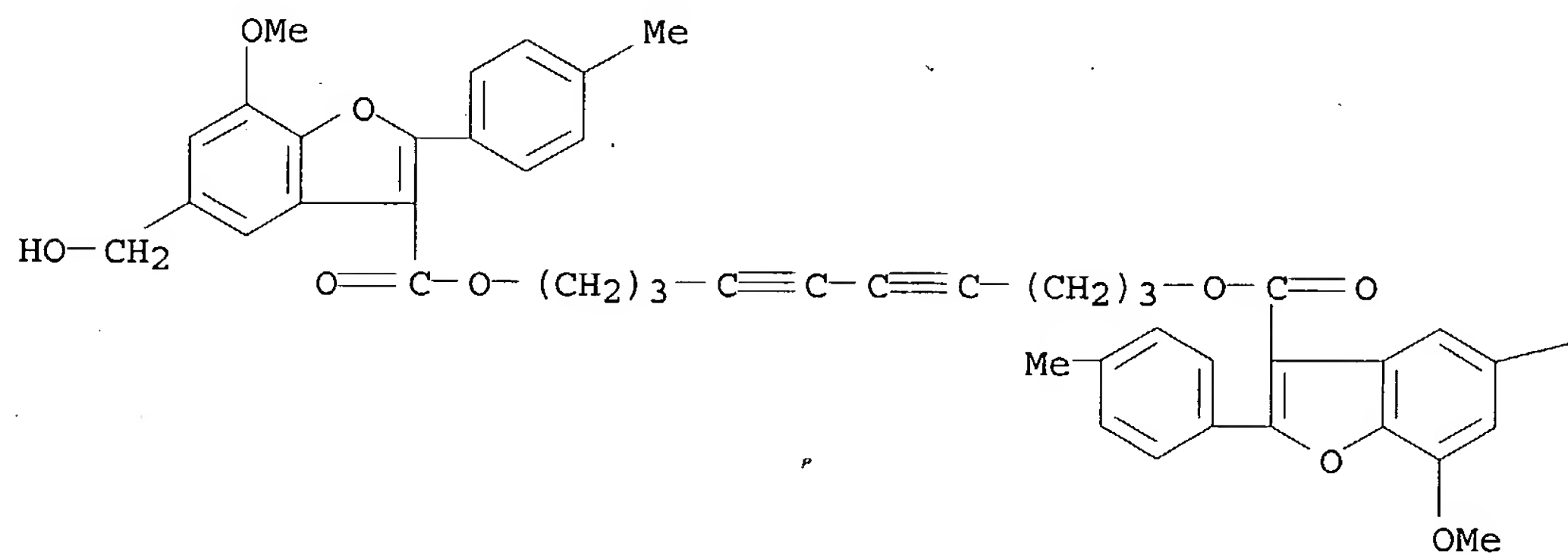
RN 500117-71-5 CAPLUS

CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methylphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

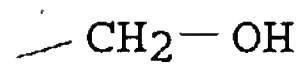
Double bond geometry as shown.



RN 511523-00-5 CAPLUS
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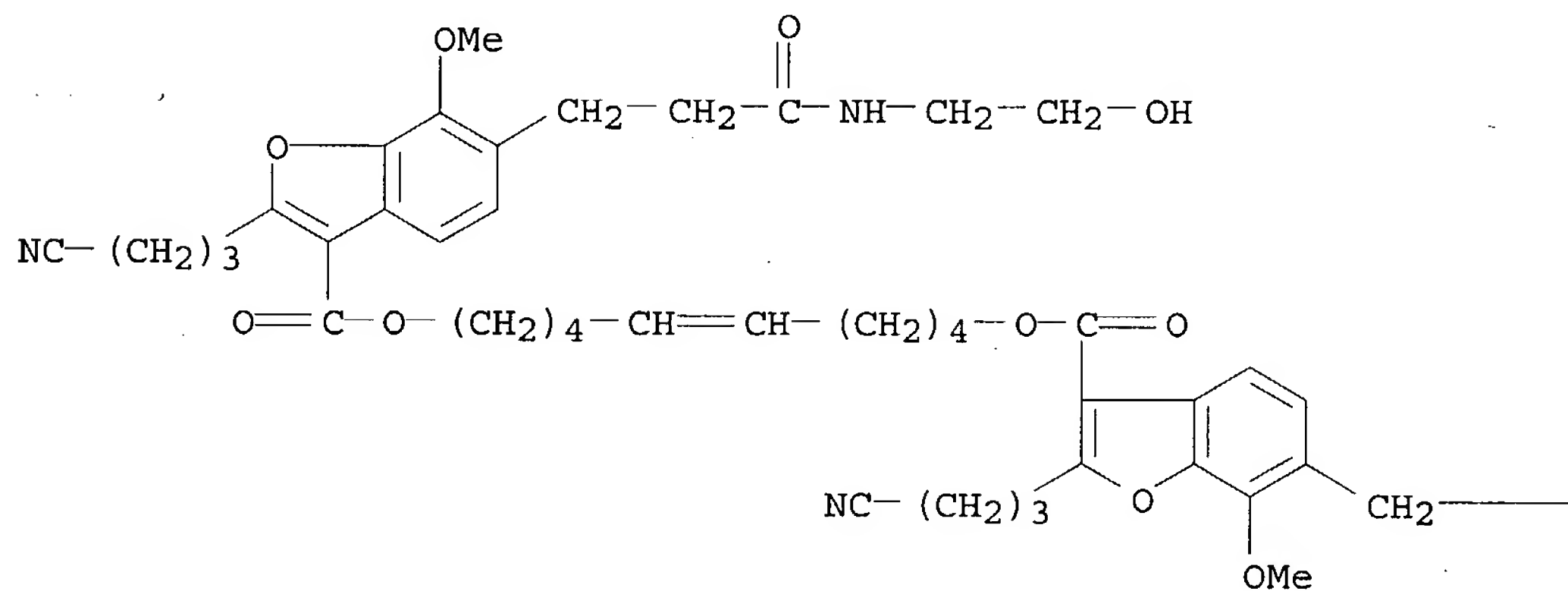
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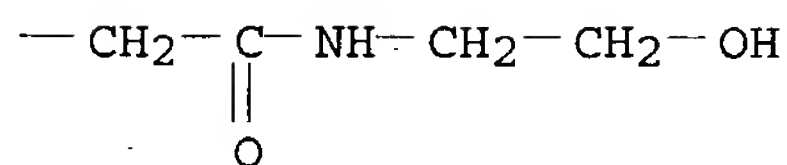
RN 639819-28-6 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-6-[3-[(2-hydroxyethyl)amino]-3-oxopropyl]-7-methoxy-, 5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

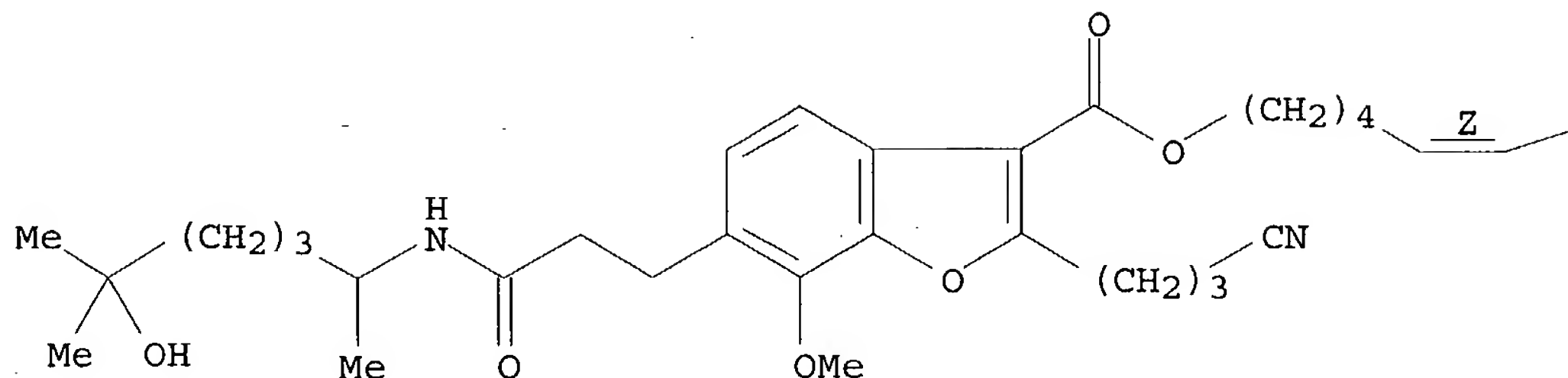


RN 639819-29-7 CAPLUS

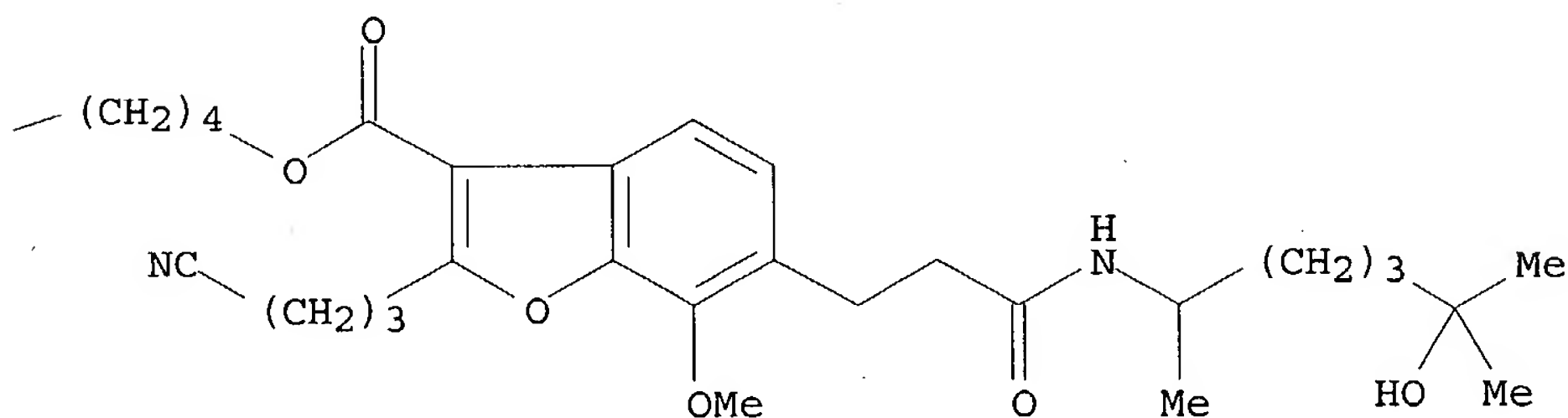
CN 3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-6-[3-[(5-hydroxy-1,5-dimethylhexyl)amino]-3-oxopropyl]-7-methoxy-, (5Z)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

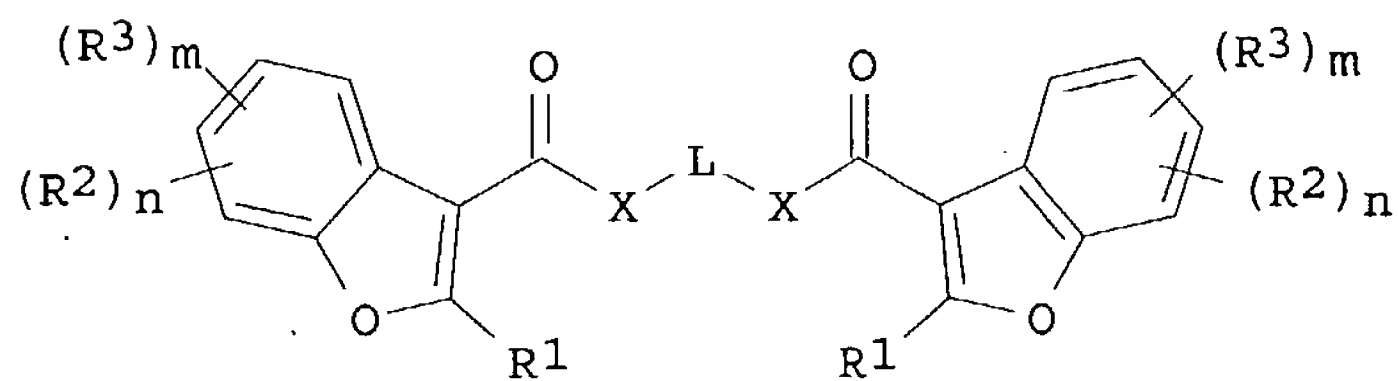
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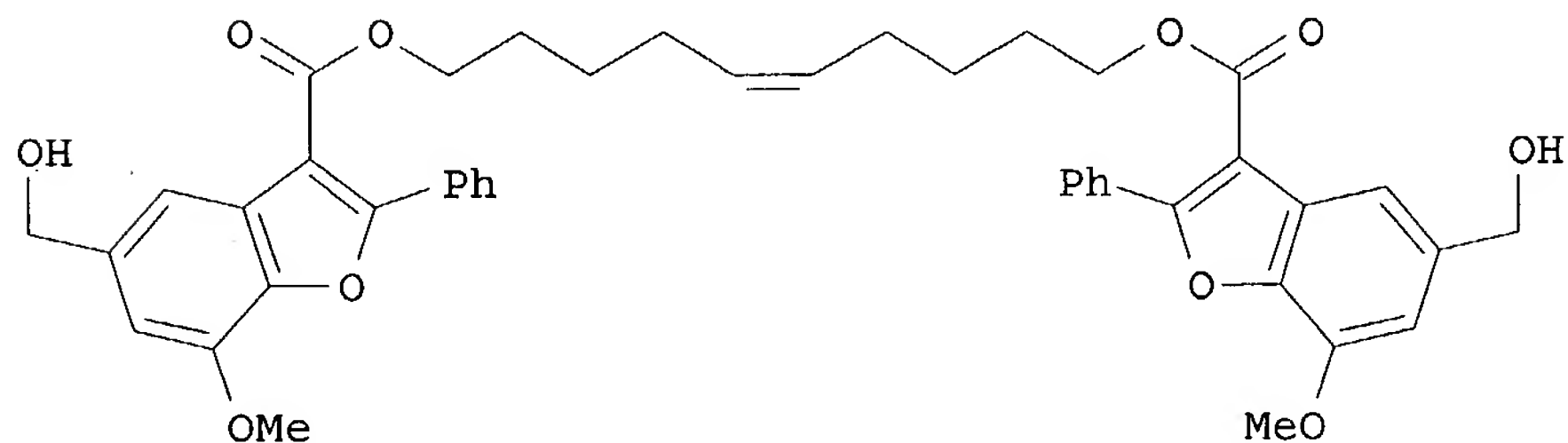
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GI



I



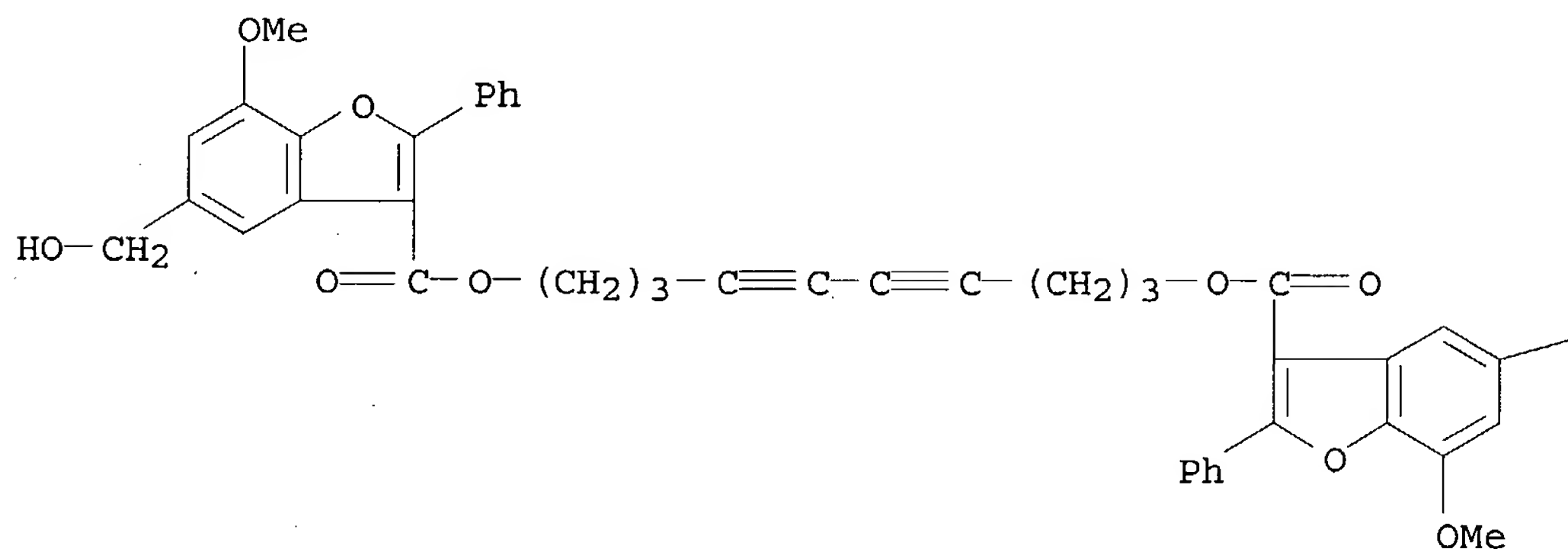
II

AB Title compds. [I; L = (CH₂)_a, BAB; a = 2-20; b = 1-10; c, d = 1-8; m = 0, 1; n = 0-4; B = (CH₂)_b, (CH₂)_cO(CH₂)_d, etc.; A = O, CH:CH, C.tplbond.C, C.tplbond.CC.tplbond.C, (substituted) phenylene, pyridinylene, piperazinylene, etc.; R₂ = halo, OH, cyano, NO₂, alkyl, alkoxy, alkylthio, alkenyl, cycloalkyl, acyl, ester, amide; R₃ = (CH₂)_pY_q(CH₂)_rZ_s(CH₂)_tR₅; Y, Z = O, S, OCH₂CH₂O, CO, CO₂, NR, CHR, CR₂, etc.; p, r, t = 0-10; q, s = 0, 1; R₅ = OH, CO₂H, NHCO₂H, NHCOCH₂OH; R = H, alkyl, aralkyl, aryl; X = O, NH; with provisos], were prepared Thus, title compound (II) was prepared via

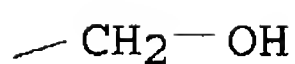
homometathesis of the corresponding resin-bound monomers using Grubbs catalyst.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:146880 CAPLUS
 DOCUMENT NUMBER: 138:321079
 TITLE: Aliphatic Acetylenic Homocoupling Catalyzed by a Novel Combination of AgOTs-CuCl₂-TMEDA and Its Application for the Solid-Phase Synthesis of Bis-benzo[b]furan-Linked 1,3-Diynes
 AUTHOR(S): Liao, Yun; Fathi, Reza; Yang, Zhen
 CORPORATE SOURCE: VivoQuest Inc., New York, NY, 10989, USA
 SOURCE: Organic Letters (2003), 5(6), 909-912
 CODEN: ORLEF7; ISSN: 1523-7060
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 138:321079
 IT 511522-99-9P 511523-00-5P 511523-01-6P
 511523-02-7P 511523-03-8P 511523-04-9P
 511523-05-0P 511523-06-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (solid-phase synthesis of alkadiynediol bis(benzofurancarboxylate)s via acetylenic homocoupling catalyzed by AgOTs-CuCl₂-TMEDA)
 RN 511522-99-9 CAPLUS
 CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

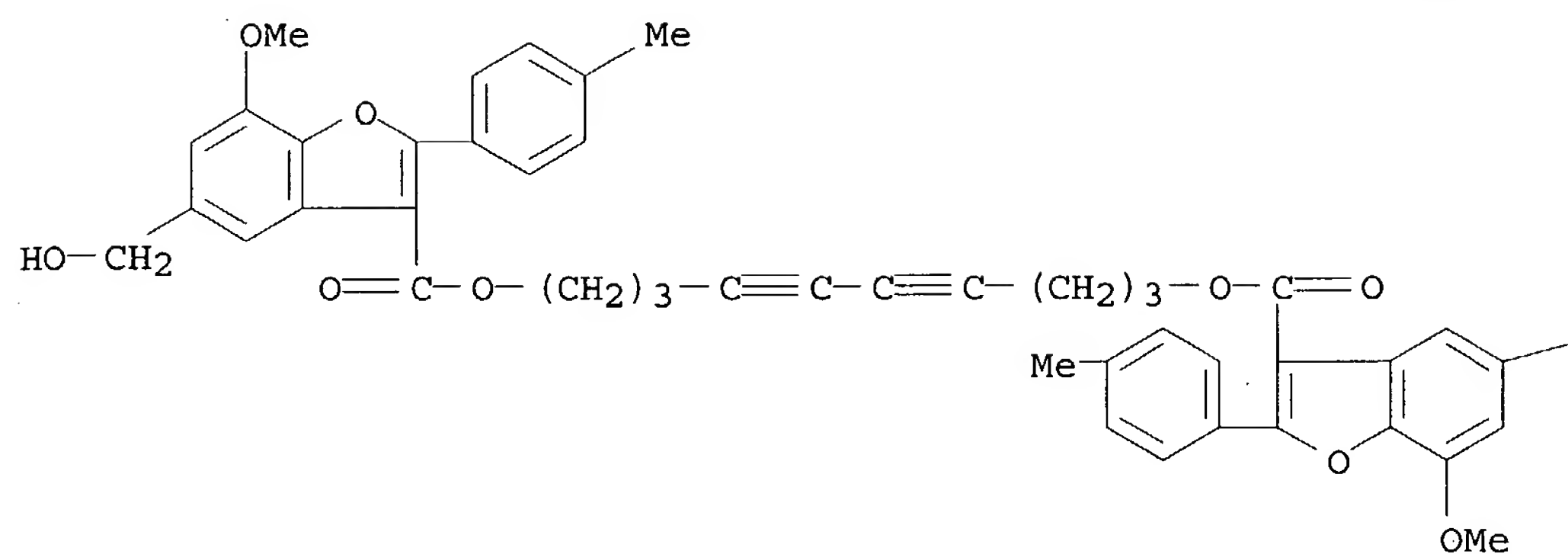


PAGE 1-B



RN 511523-00-5 CAPLUS
 CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methylphenyl)-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



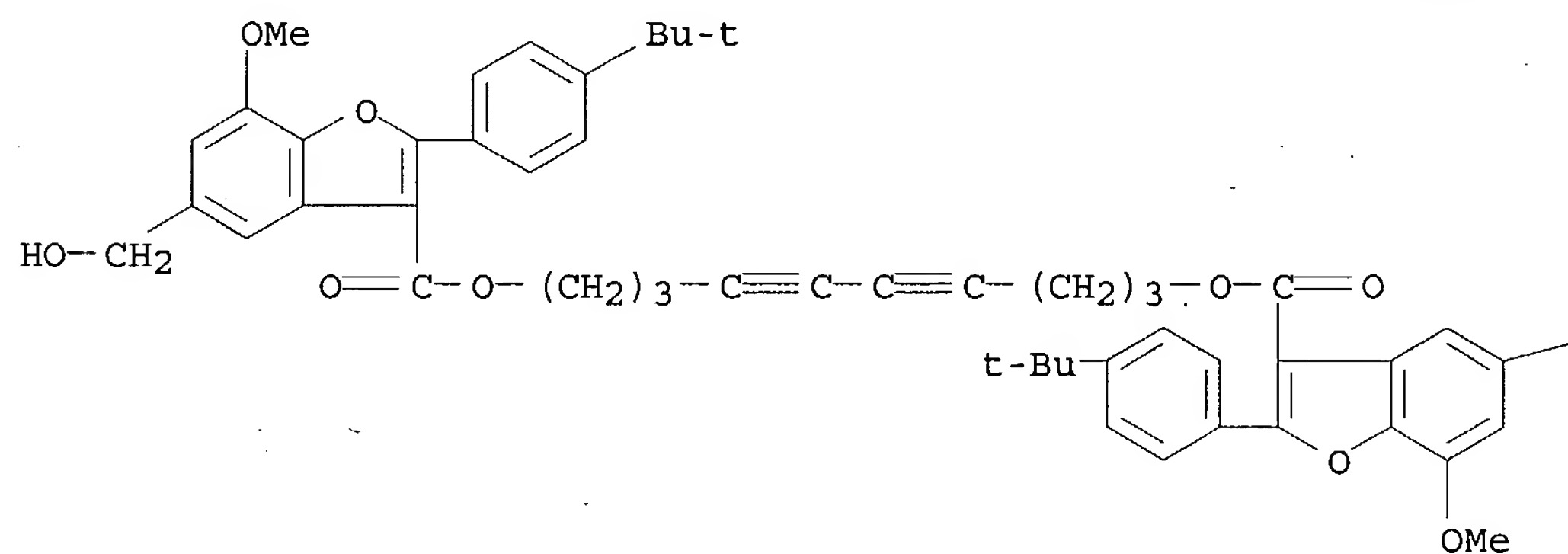
PAGE 1-B

—CH₂—OH

RN 511523-01-6 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-[4-(1,1-dimethylethyl)phenyl]-5-(hydroxymethyl)-7-methoxy-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

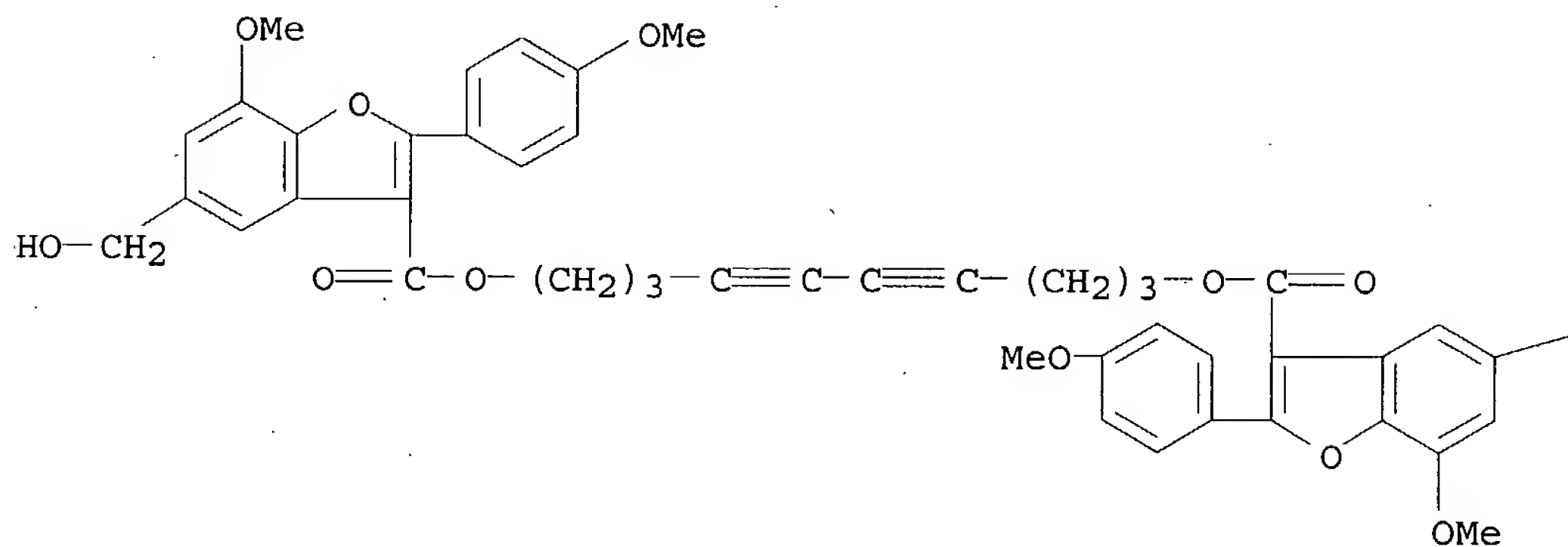
PAGE 1-A



—CH₂—OH

RN 511523-02-7 CAPLUS

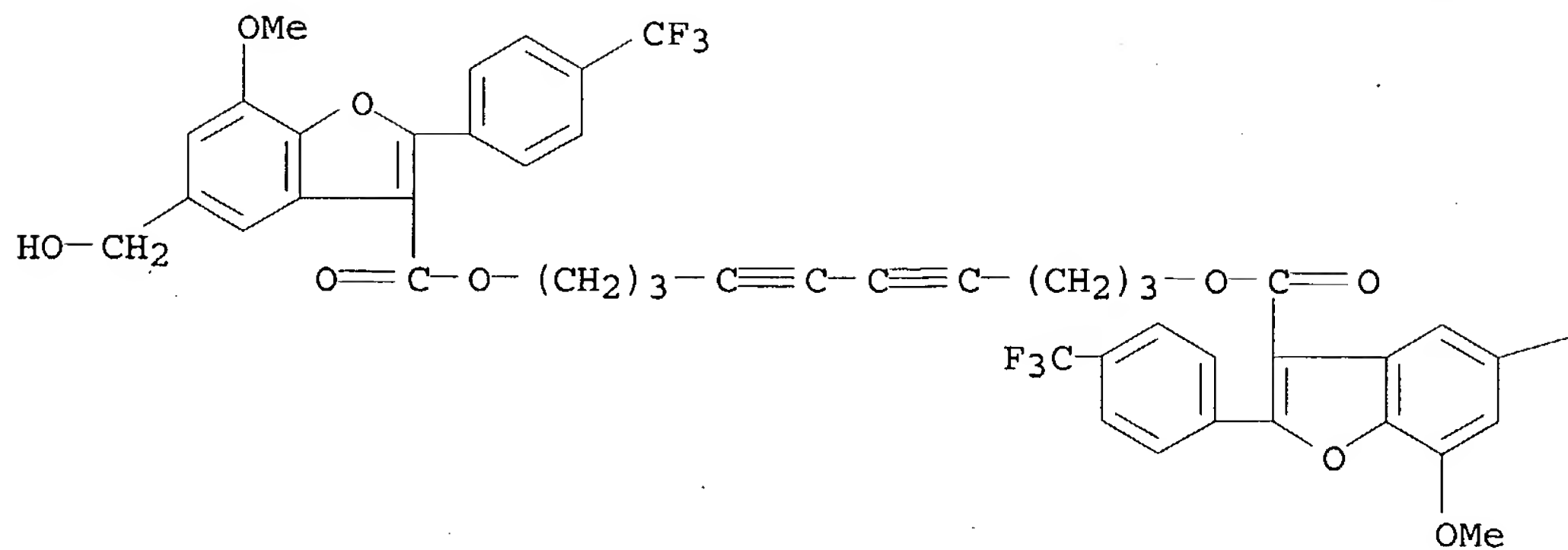
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methoxyphenyl)-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

—CH₂—OH

RN 511523-03-8 CAPLUS

CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-[4-(trifluoromethyl)phenyl]-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



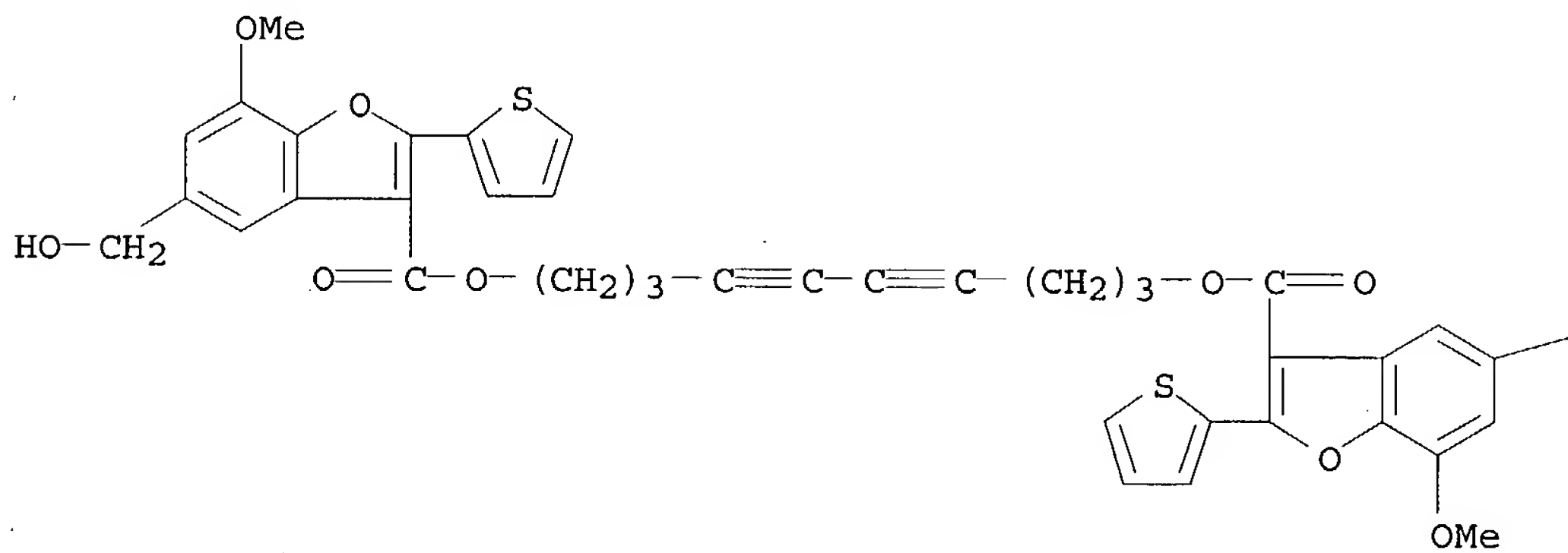
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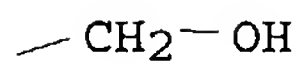
—CH₂—OH

RN 511523-04-9 CAPLUS

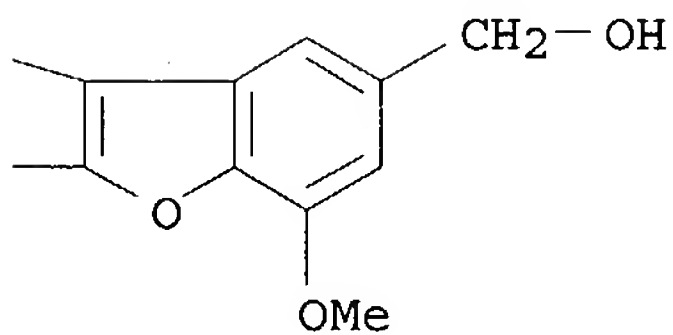
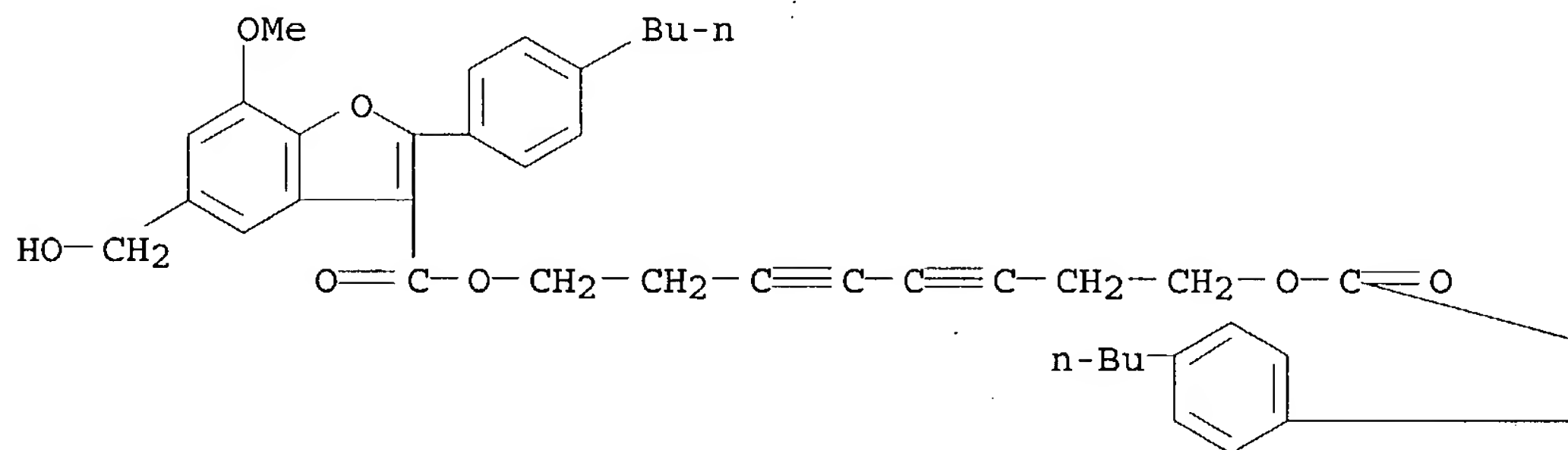
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(2-thienyl)-, 4,6-decadiyne-1,10-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A





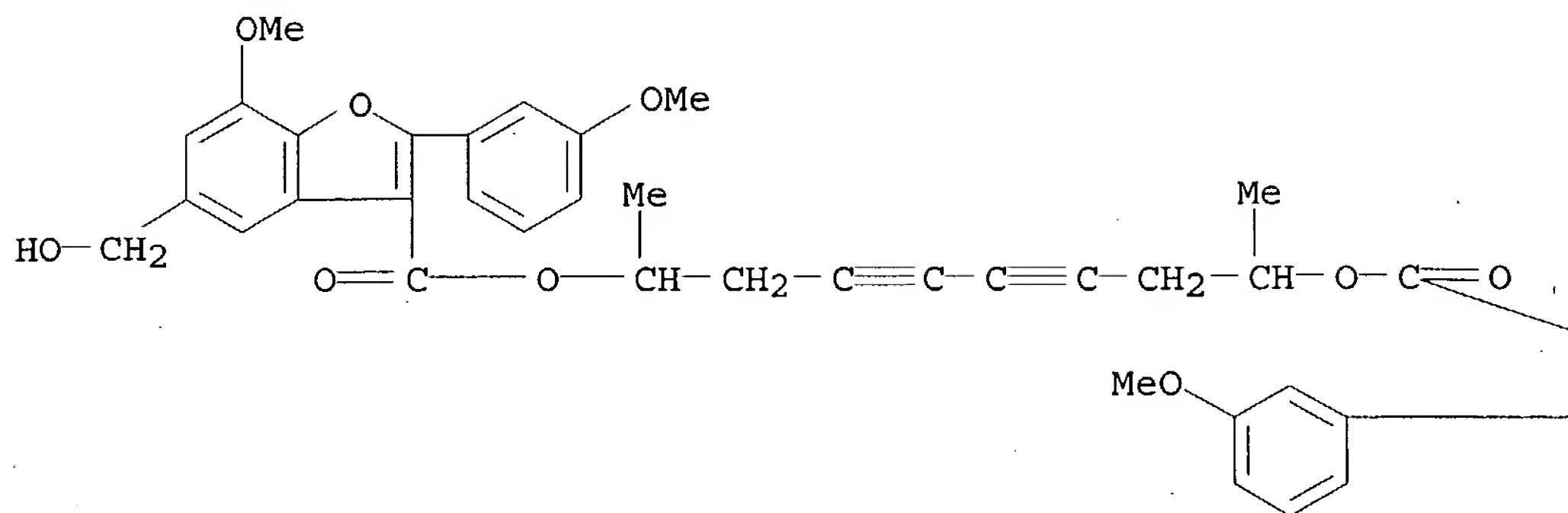
RN 511523-05-0 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-(4-butylphenyl)-5-(hydroxymethyl)-7-methoxy-
, 3,5-octadiyne-1,8-diyl ester (9CI) (CA INDEX NAME)

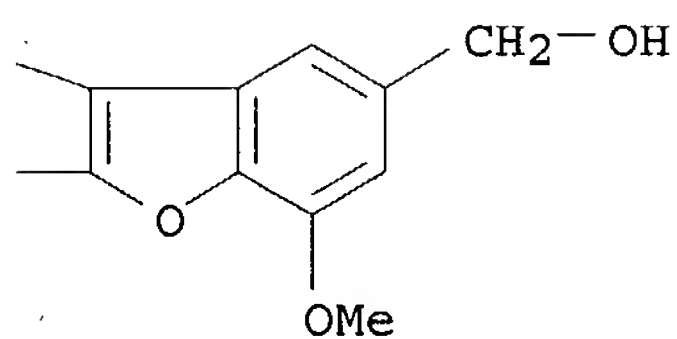
RN 511523-06-1 CAPLUS

CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(3-methoxyphenyl)-, 1,8-dimethyl-3,5-octadiyne-1,8-diyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



AB A novel catalytic system of AgOTs-CuCl₂-TMEDA is developed for the homocoupling of aliphatic acetylenes on solid support. It is the first observation that Ag(I)-activated triple bond could facilitate Cu(II)-mediated oxidative acetylenic homocoupling. This procedure provided an efficient way to synthesize a diversified sym.

1,3-alkadiynediol bis(benzo[b]furancarboxylate) library on solid support.

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:977422 CAPLUS

DOCUMENT NUMBER: 138:204893

TITLE: Convergent Solid-Phase Synthesis of Symmetrical Benzo[b]furan's Dimerizer

AUTHOR(S): Liao, Yun; Fathi, Reza; Yang, Zhen

CORPORATE SOURCE: VivoQuest Inc., Valley Cottage, NY, 10989, USA

SOURCE: Journal of Combinatorial Chemistry (2003), 5(2), 79-81
CODEN: JCCHFF; ISSN: 1520-4766

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:204893

IT 500117-66-8P 500117-67-9P 500117-68-0P

500117-69-1P 500117-70-4P 500117-71-5P

10/602,341

500117-72-6P 500117-73-7P

RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP (Preparation)

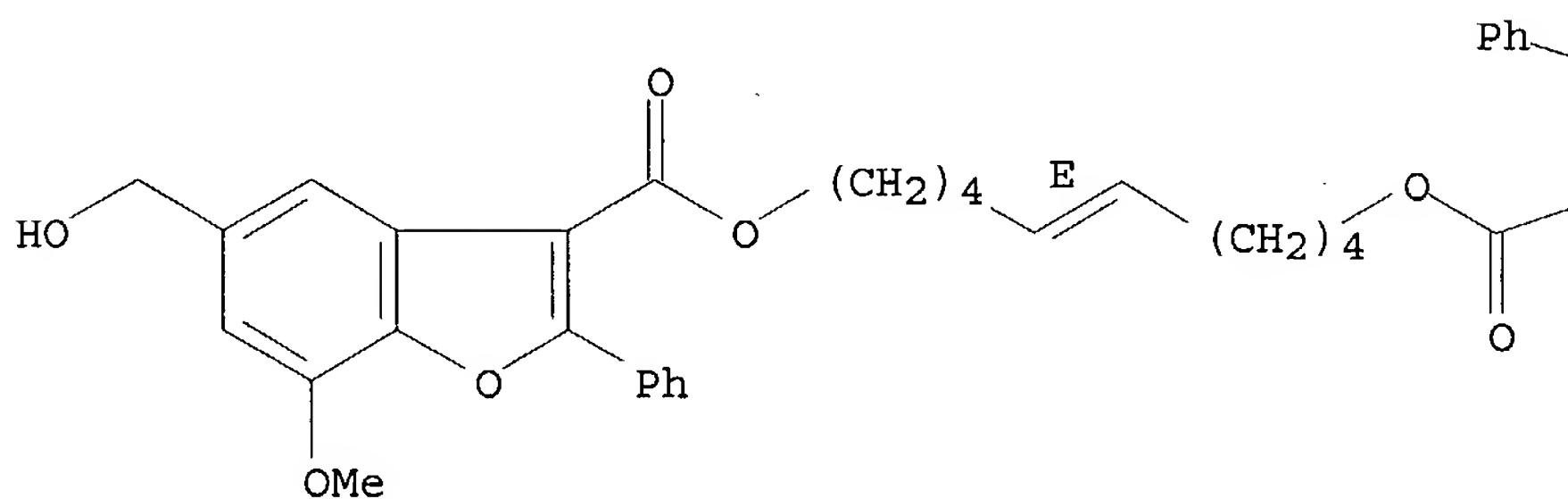
(combinatorial preparation of a library of sym. dimeric benzofurans via solid phase/split-pool synthesis techniques)

RN 500117-66-8 CAPLUS

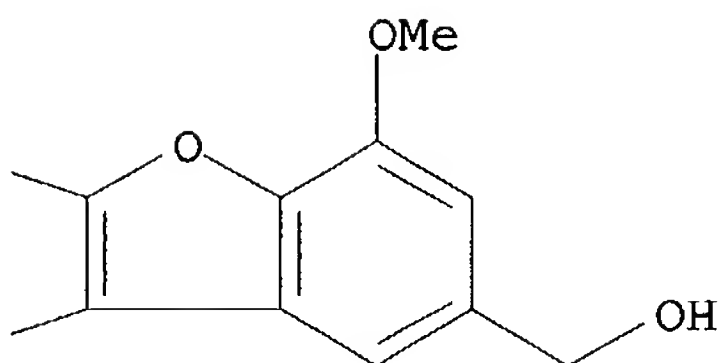
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

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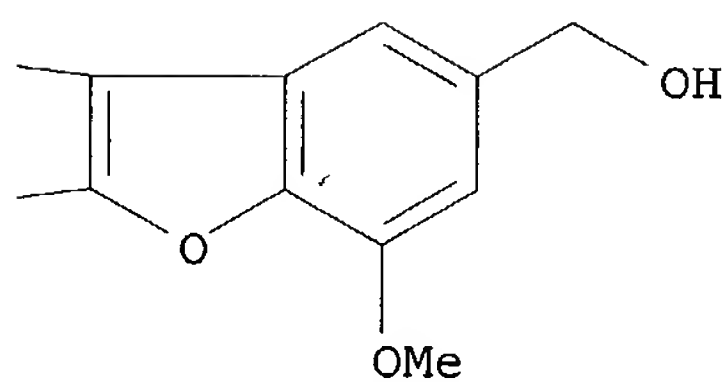
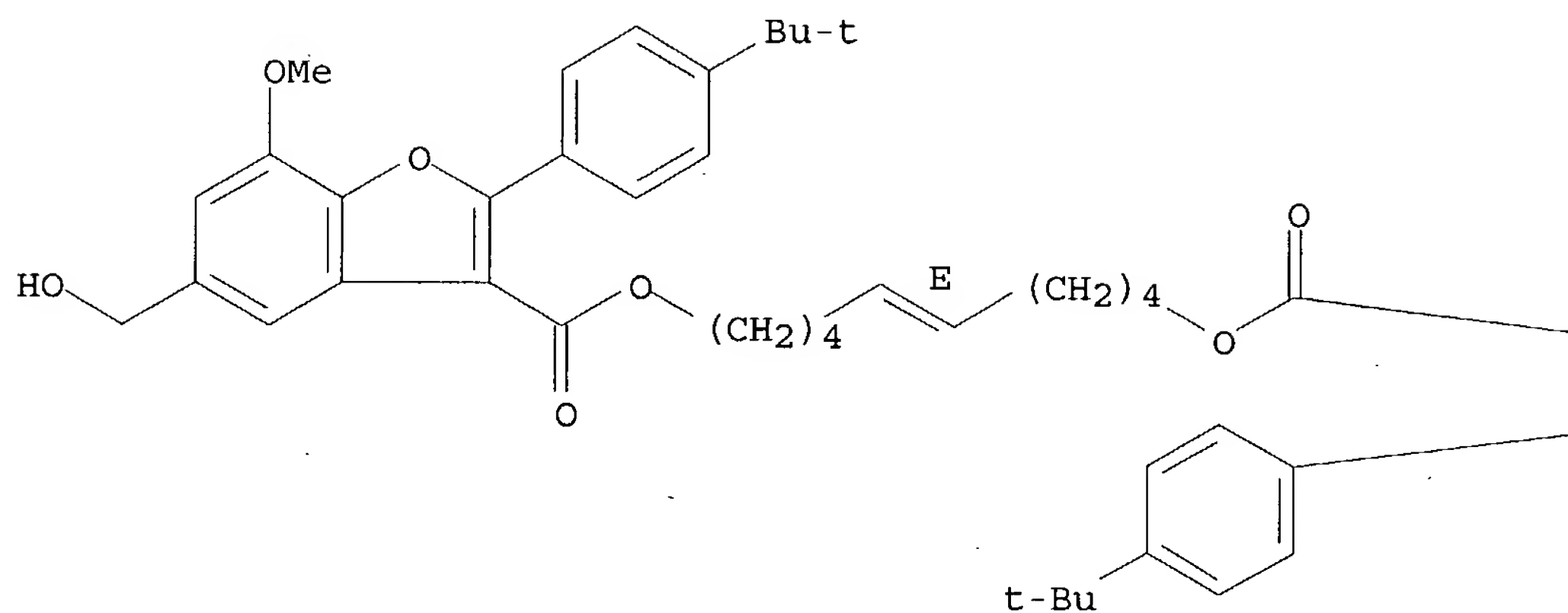
PAGE 1-B



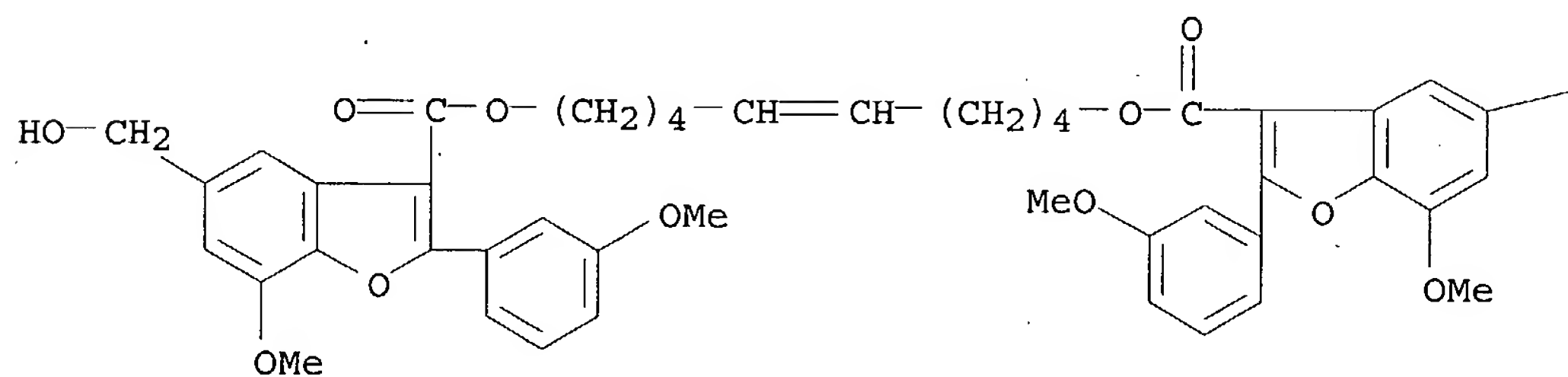
RN 500117-67-9 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-[4-(1,1-dimethylethyl)phenyl]-5-(hydroxymethyl)-7-methoxy-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 500117-68-0 CAPLUS
 CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(3-methoxyphenyl)-, 5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

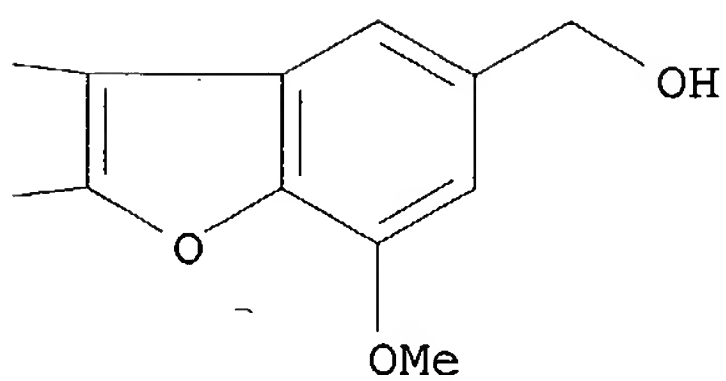
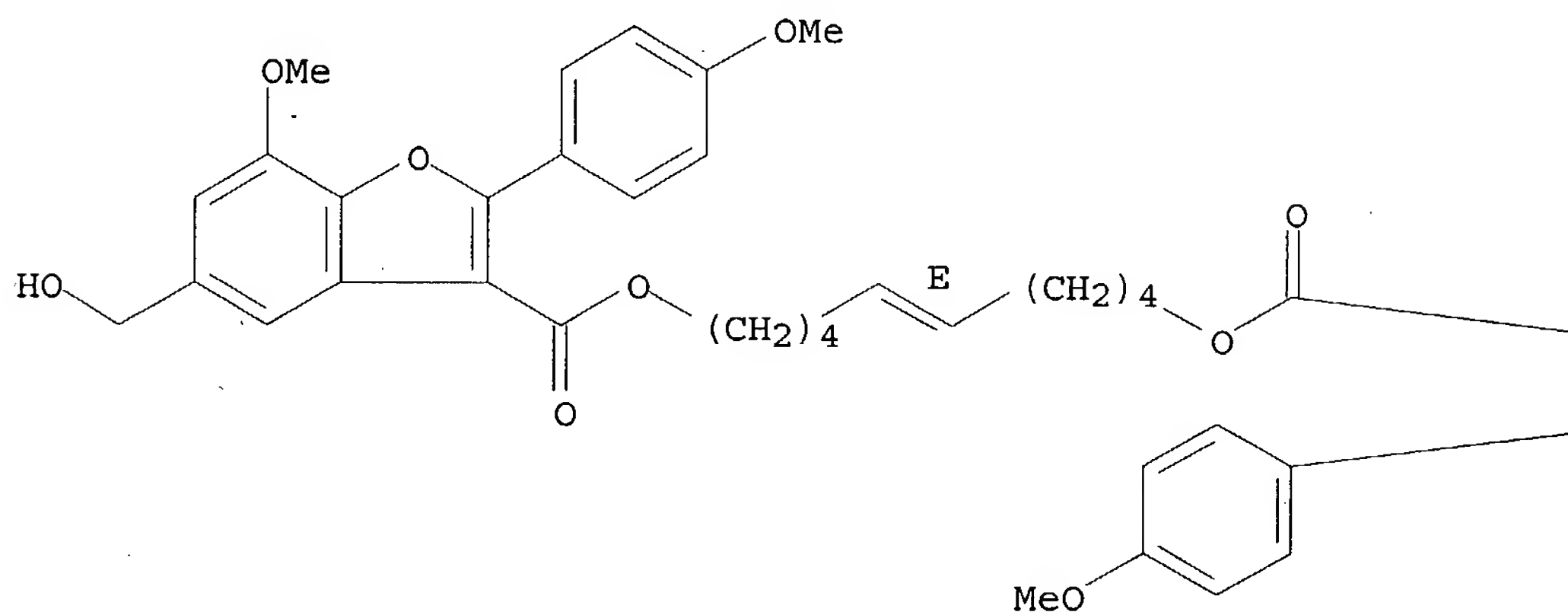


—CH₂—OH

RN 500117-69-1 CAPLUS

CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methoxyphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

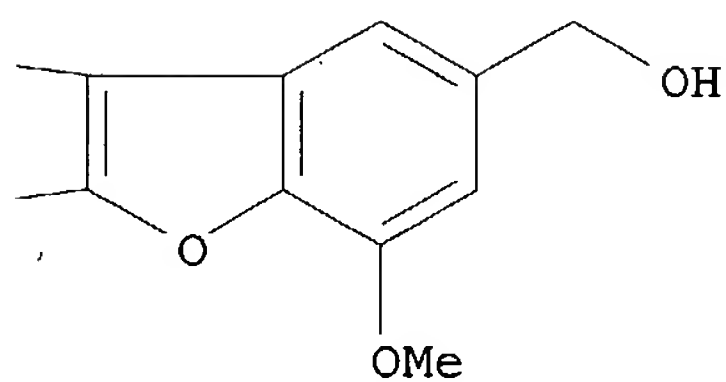
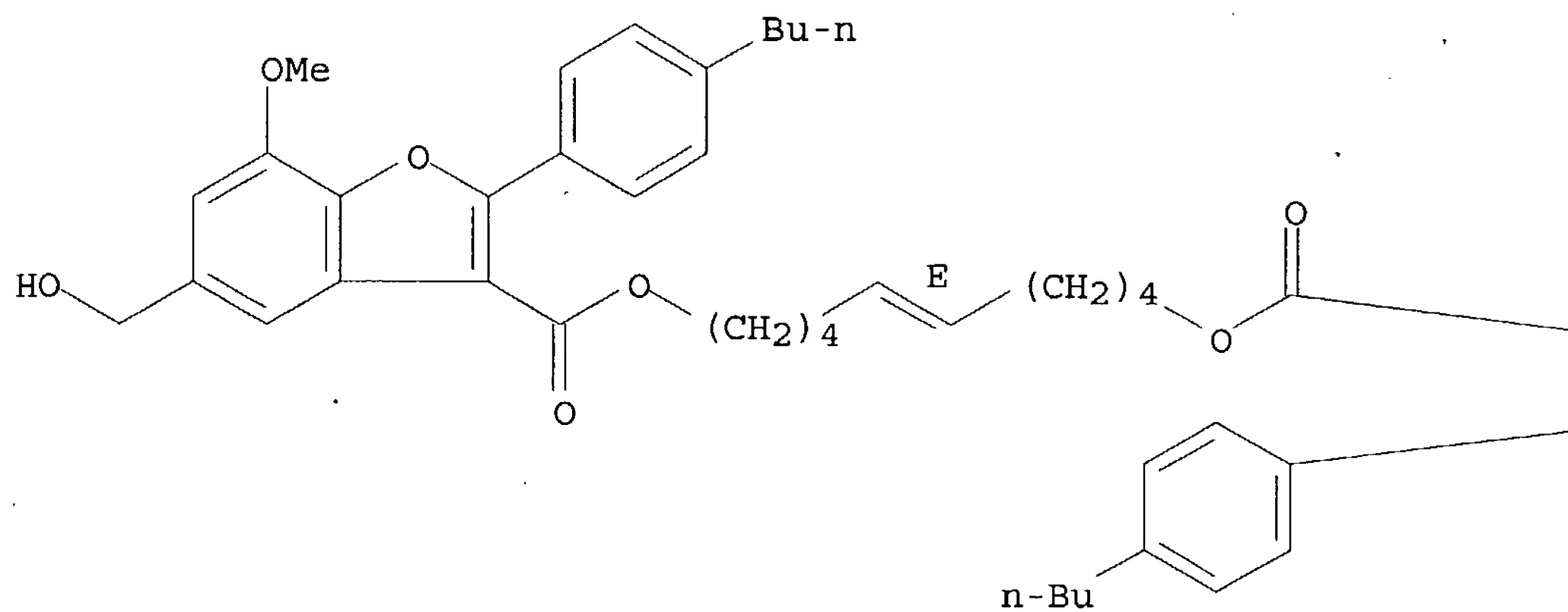
Double bond geometry as shown.



RN 500117-70-4 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-(4-butylphenyl)-5-(hydroxymethyl)-7-methoxy-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

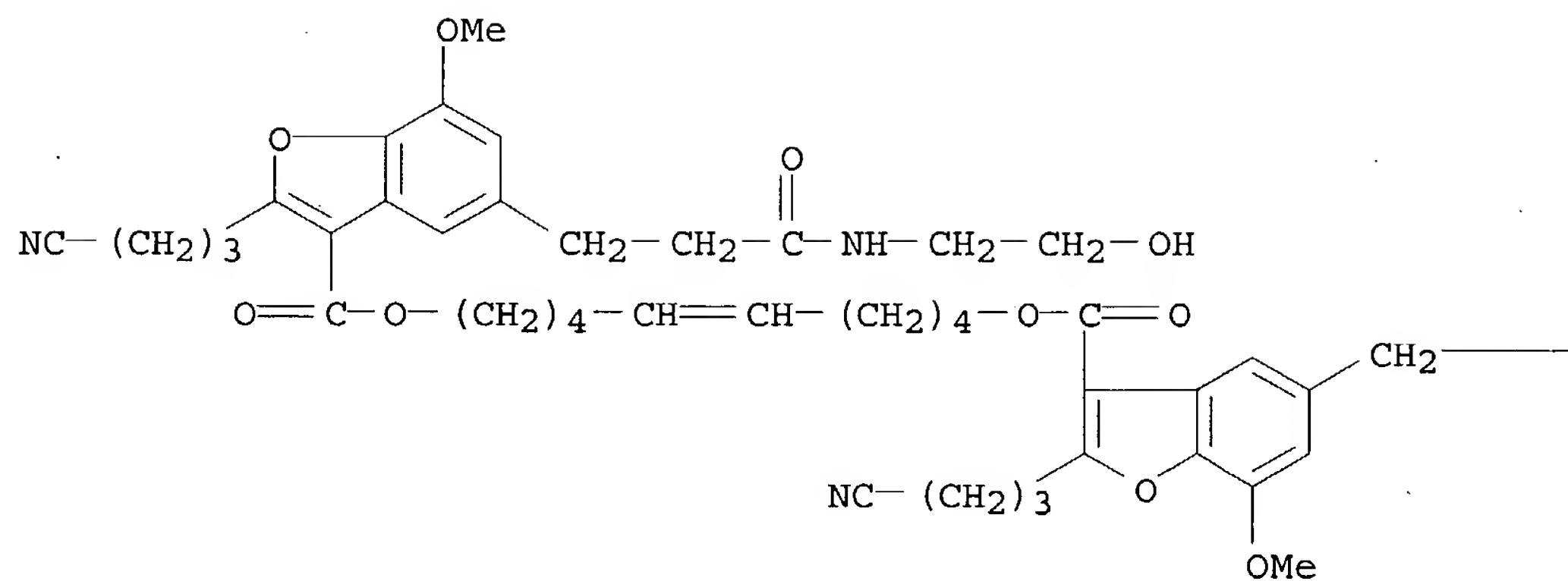


RN 500117-71-5 CAPLUS

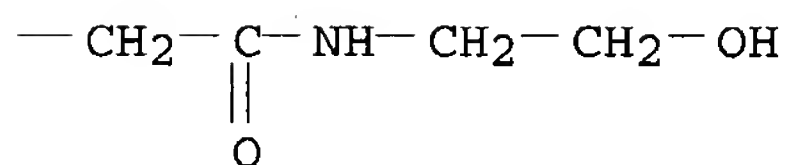
CN 3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-methylphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

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PAGE 1-B

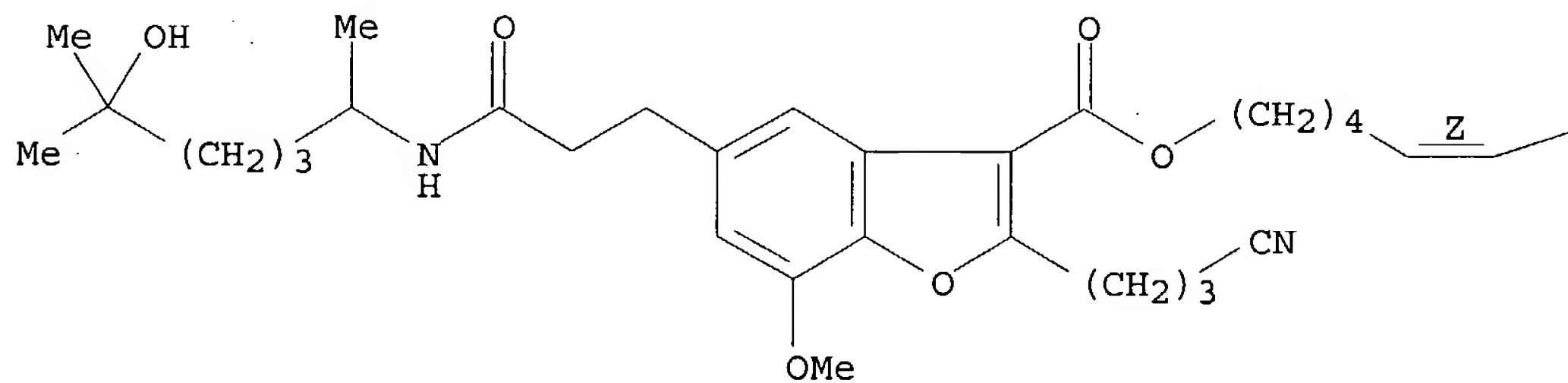


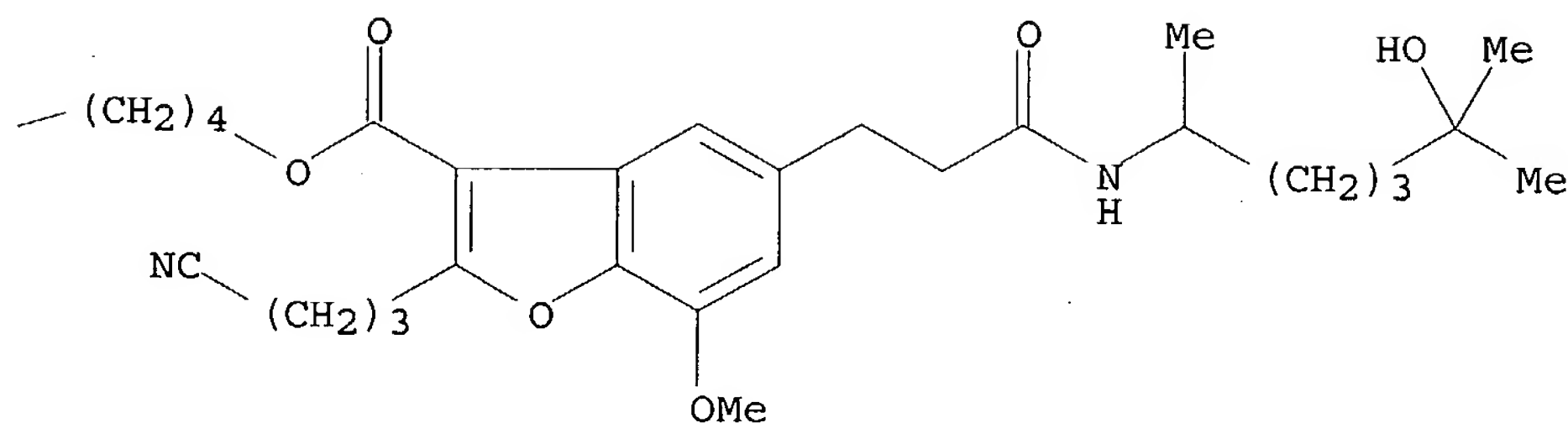
RN 500117-73-7 CAPLUS

CN 3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-5-[3-[(5-hydroxy-1,5-dimethylhexyl)amino]-3-oxopropyl]-7-methoxy-, (5Z)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

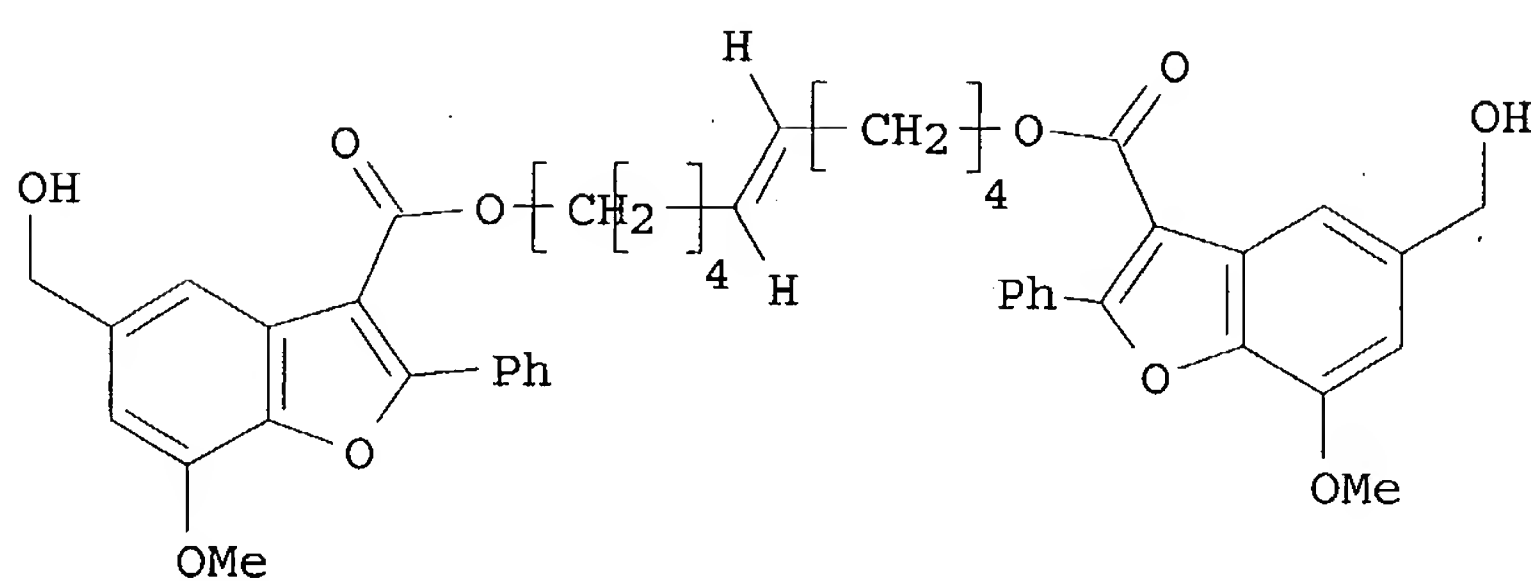
Double bond geometry as shown.

PAGE 1-A





GI



I

AB A split-pool synthesis of dimeric benzo[b]furans, e.g., I, is described employing the Sonogashira reaction, palladium-mediated carbonylative annulation, and olefin cross-metathesis as the key steps on high-capacity, lightly cross-linked, and silyl-linker-based polystyrene macrobeads. This protocol provides direct access to a range of dimeric mols. that are ideal for high-throughput screening of protein-protein interactions in a cell-based assay system.

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
14.72	170.77

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
-2.10	-2.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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